

## tRNA (adenine57-N1/adenine58-N1)-methyltransferase

Cat. No. EXWM-1821

Lot. No. (See product label)

### Introduction

#### Description

The enzyme catalyses the formation of N1-methyladenine at two adjacent positions (57 and 58) in the T-loop of certain tRNAs (e.g. tRNA<sup>Asp</sup>). Methyladenosine at position 57 is an obligatory intermediate for the synthesis of methylinosine, which is commonly found at position 57 of archaeal tRNAs.

#### Synonyms

Trml; PabTrml; AqTrml; MtTrml

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.219

#### Reaction

2 S-adenosyl-L-methionine + adenine57/adenine58 in tRNA = 2 S-adenosyl-L-homocysteine + N1-methyladenine57/N1-methyladenine58 in tRNA

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.